

**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42P18131

First Inventor Daniel P. Baumberger

Title

VIRTUAL DIRECT MEMORY ACCESS CROSSOVER

Express Mail Label No. EV325530033US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. Applicant claims small entity status.
See 37 CFR 1.27.
3. Specification [Total Pages 34]
(preferred arrangement set forth below)
- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure
4. Drawing(s) (35 U.S.C. 113) [Total Sheets 3]
5. Oath or Declaration [Total Pages]
a. Newly executed (original or copy)
b. Copy from a prior application (37 C.F.R. § 1.63(d))
(for continuation/divisional with Box 18 completed)
i. **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. Application Data Sheet. See 37 CFR 1.76

7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. CD-ROM or CD-R (2 copies); or
 - ii. paper
 - c. Statements verifying identity of above copies

9. Assignment Papers (cover sheet & document(s))
10. 37 C.F.R. § 3.73(b) Statement Power of Attorney (when there is an assignee)
11. English Translation Document (if applicable)
12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations
13. Preliminary Amendment Application Amended to Reflect Claim of Priority
14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. Other: _____

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

Continuation Divisional Continuation-in-part (CIP)

of prior application No: _____

Prior application Information: Examiner: _____

Group/Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

Customer Number

08791

or Correspondence address below

Name	Blakely, Sokoloff, Taylor & Zafman LLP				
Address	5285 S.W. Meadows Road, Suite 101				
City	Lake Oswego	State	Oregon	Zip Code	97035
Country		Telephone	(503) 684-6200		Fax (503) 684-3245

Name (Print/Type)	Gregory D. Caldwell	Registration No. (Attorney/Agent)	39,926
Signature	_____ Gregory D. Caldwell		

Date 11/25/03

Based on PTO/SB/05 (08-03) as modified by Blakely, Sokoloff, Taylor & Zafman (wir) 08/11/2003.
SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

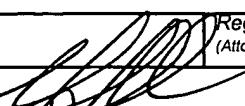
22387 U.S.PTO
10/722841

112503

112503
4772 U.S. PTO

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

FEE TRANSMITTAL for FY 2003		<i>Complete if Known</i>																																																																																																																																																																																									
		Application Number																																																																																																																																																																																									
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27.		Filing Date	November 25, 2003																																																																																																																																																																																								
TOTAL AMOUNT OF PAYMENT (\$)		First Named Inventor	Daniel P. Baumberger																																																																																																																																																																																								
		Examiner Name																																																																																																																																																																																									
		Group/Art Unit																																																																																																																																																																																									
		Attorney Docket No.	42P18131																																																																																																																																																																																								
METHOD OF PAYMENT (check all that apply)		FEE CALCULATION (continued)																																																																																																																																																																																									
<input checked="" type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/> Deposit Account		3. ADDITIONAL FEES																																																																																																																																																																																									
Deposit Account Number 02-2666 Deposit Account Name Blakely, Sokoloff, Taylor & Zafman LLP		<table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Description</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1051</td> <td>130</td> <td>2051</td> <td>65</td> <td>Surcharge - late filing fee or oath</td> <td></td> </tr> <tr> <td>1052</td> <td>50</td> <td>2052</td> <td>25</td> <td>Surcharge - late provisional filing fee or cover sheet</td> <td></td> </tr> <tr> <td>2053</td> <td>130</td> <td>2053</td> <td>130</td> <td>Non-English specification</td> <td></td> </tr> <tr> <td>1812</td> <td>2,520</td> <td>1812</td> <td>2,520</td> <td>For filing a request for ex parte reexamination</td> <td></td> </tr> <tr> <td>1804</td> <td>920 *</td> <td>1804</td> <td>920 *</td> <td>Requesting publication of SIR prior to Examiner action</td> <td></td> </tr> <tr> <td>1805</td> <td>1,840 *</td> <td>1805</td> <td>1,840 *</td> <td>Requesting publication of SIR after Examiner action</td> <td></td> </tr> <tr> <td>1251</td> <td>110</td> <td>2251</td> <td>55</td> <td>Extension for reply within first month</td> <td></td> </tr> <tr> <td>1252</td> <td>420</td> <td>2252</td> <td>210</td> <td>Extension for reply within second month</td> <td></td> </tr> <tr> <td>1253</td> <td>950</td> <td>2253</td> <td>475</td> <td>Extension for reply within third month</td> <td></td> </tr> <tr> <td>1254</td> <td>1,480</td> <td>2254</td> <td>740</td> <td>Extension for reply within fourth month</td> <td></td> </tr> <tr> <td>1255</td> <td>1,210</td> <td>2255</td> <td>605</td> <td>Extension for reply within fifth month</td> <td></td> </tr> <tr> <td>1404</td> <td>330</td> <td>2401</td> <td>165</td> <td>Notice of Appeal</td> <td></td> </tr> <tr> <td>1402</td> <td>330</td> <td>2402</td> <td>165</td> <td>Filing a brief in support of an appeal</td> <td></td> </tr> <tr> <td>1403</td> <td>290</td> <td>2403</td> <td>145</td> <td>Request for oral hearing</td> <td></td> </tr> <tr> <td>1451</td> <td>1,510</td> <td>2451</td> <td>1,510</td> <td>Petition to institute a public use proceeding</td> <td></td> </tr> <tr> <td>1452</td> <td>110</td> <td>2452</td> <td>55</td> <td>Petition to revive - unavoidable</td> <td></td> </tr> <tr> <td>1453</td> <td>1,330</td> <td>2453</td> <td>665</td> <td>Petition to revive - unintentional</td> <td></td> </tr> <tr> <td>1501</td> <td>1,330</td> <td>2501</td> <td>665</td> <td>Utility issue fee (or reissue)</td> <td></td> </tr> <tr> <td>1502</td> <td>480</td> <td>2502</td> <td>240</td> <td>Design issue fee</td> <td></td> </tr> <tr> <td>1503</td> <td>640</td> <td>2503</td> <td>320</td> <td>Plant issue fee</td> <td></td> </tr> <tr> <td>1460</td> <td>130</td> <td>2460</td> <td>130</td> <td>Petitions to the Commissioner</td> <td></td> </tr> <tr> <td>1807</td> <td>50</td> <td>1807</td> <td>50</td> <td>Processing fee under 37 CFR 1.17(q)</td> <td></td> </tr> <tr> <td>1806</td> <td>180</td> <td>1806</td> <td>180</td> <td>Submission of Information Disclosure Stmt</td> <td></td> </tr> <tr> <td>8021</td> <td>40</td> <td>8021</td> <td>40</td> <td>Recording each patent assignment per property (times number of properties)</td> <td></td> </tr> <tr> <td>1809</td> <td>770</td> <td>1809</td> <td>385</td> <td>Filing a submission after final rejection (37 CFR § 1.129(a))</td> <td></td> </tr> <tr> <td>1810</td> <td>770</td> <td>2810</td> <td>385</td> <td>For each additional invention to be examined (37 CFR § 1.129(b))</td> <td></td> </tr> <tr> <td>1801</td> <td>770</td> <td>2801</td> <td>385</td> <td>Request for Continued Examination (RCE)</td> <td></td> </tr> <tr> <td>1802</td> <td>900</td> <td>1802</td> <td>900</td> <td>Request for expedited examination of a design application</td> <td></td> </tr> <tr> <td colspan="2">Other fee (specify)</td> <td colspan="4"></td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Description	Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1051	130	2051	65	Surcharge - late filing fee or oath		1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet		2053	130	2053	130	Non-English specification		1812	2,520	1812	2,520	For filing a request for ex parte reexamination		1804	920 *	1804	920 *	Requesting publication of SIR prior to Examiner action		1805	1,840 *	1805	1,840 *	Requesting publication of SIR after Examiner action		1251	110	2251	55	Extension for reply within first month		1252	420	2252	210	Extension for reply within second month		1253	950	2253	475	Extension for reply within third month		1254	1,480	2254	740	Extension for reply within fourth month		1255	1,210	2255	605	Extension for reply within fifth month		1404	330	2401	165	Notice of Appeal		1402	330	2402	165	Filing a brief in support of an appeal		1403	290	2403	145	Request for oral hearing		1451	1,510	2451	1,510	Petition to institute a public use proceeding		1452	110	2452	55	Petition to revive - unavoidable		1453	1,330	2453	665	Petition to revive - unintentional		1501	1,330	2501	665	Utility issue fee (or reissue)		1502	480	2502	240	Design issue fee		1503	640	2503	320	Plant issue fee		1460	130	2460	130	Petitions to the Commissioner		1807	50	1807	50	Processing fee under 37 CFR 1.17(q)		1806	180	1806	180	Submission of Information Disclosure Stmt		8021	40	8021	40	Recording each patent assignment per property (times number of properties)		1809	770	1809	385	Filing a submission after final rejection (37 CFR § 1.129(a))		1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))		1801	770	2801	385	Request for Continued Examination (RCE)		1802	900	1802	900	Request for expedited examination of a design application		Other fee (specify)					
Large Entity		Small Entity		Fee Description	Fee Paid																																																																																																																																																																																						
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
1051	130	2051	65	Surcharge - late filing fee or oath																																																																																																																																																																																							
1052	50	2052	25	Surcharge - late provisional filing fee or cover sheet																																																																																																																																																																																							
2053	130	2053	130	Non-English specification																																																																																																																																																																																							
1812	2,520	1812	2,520	For filing a request for ex parte reexamination																																																																																																																																																																																							
1804	920 *	1804	920 *	Requesting publication of SIR prior to Examiner action																																																																																																																																																																																							
1805	1,840 *	1805	1,840 *	Requesting publication of SIR after Examiner action																																																																																																																																																																																							
1251	110	2251	55	Extension for reply within first month																																																																																																																																																																																							
1252	420	2252	210	Extension for reply within second month																																																																																																																																																																																							
1253	950	2253	475	Extension for reply within third month																																																																																																																																																																																							
1254	1,480	2254	740	Extension for reply within fourth month																																																																																																																																																																																							
1255	1,210	2255	605	Extension for reply within fifth month																																																																																																																																																																																							
1404	330	2401	165	Notice of Appeal																																																																																																																																																																																							
1402	330	2402	165	Filing a brief in support of an appeal																																																																																																																																																																																							
1403	290	2403	145	Request for oral hearing																																																																																																																																																																																							
1451	1,510	2451	1,510	Petition to institute a public use proceeding																																																																																																																																																																																							
1452	110	2452	55	Petition to revive - unavoidable																																																																																																																																																																																							
1453	1,330	2453	665	Petition to revive - unintentional																																																																																																																																																																																							
1501	1,330	2501	665	Utility issue fee (or reissue)																																																																																																																																																																																							
1502	480	2502	240	Design issue fee																																																																																																																																																																																							
1503	640	2503	320	Plant issue fee																																																																																																																																																																																							
1460	130	2460	130	Petitions to the Commissioner																																																																																																																																																																																							
1807	50	1807	50	Processing fee under 37 CFR 1.17(q)																																																																																																																																																																																							
1806	180	1806	180	Submission of Information Disclosure Stmt																																																																																																																																																																																							
8021	40	8021	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																							
1809	770	1809	385	Filing a submission after final rejection (37 CFR § 1.129(a))																																																																																																																																																																																							
1810	770	2810	385	For each additional invention to be examined (37 CFR § 1.129(b))																																																																																																																																																																																							
1801	770	2801	385	Request for Continued Examination (RCE)																																																																																																																																																																																							
1802	900	1802	900	Request for expedited examination of a design application																																																																																																																																																																																							
Other fee (specify)																																																																																																																																																																																											
The Commissioner is authorized to: (check all that apply)		<input type="checkbox"/> Charge fee(s) indicated below <input checked="" type="checkbox"/> Credit any overpayments <input checked="" type="checkbox"/> Charge any additional fee(s) required under 37 CFR §§ 1.16, 1.17, 1.18 and 1.20 <input type="checkbox"/> Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account																																																																																																																																																																																									
FEE CALCULATION																																																																																																																																																																																											
1. BASIC FILING FEE																																																																																																																																																																																											
<table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>1001</td> <td>770</td> <td>2001</td> <td>385</td> <td>Utility filing fee</td> </tr> <tr> <td>1002</td> <td>340</td> <td>2002</td> <td>170</td> <td>Design filing fee</td> </tr> <tr> <td>1003</td> <td>530</td> <td>2003</td> <td>265</td> <td>Plant filing fee</td> </tr> <tr> <td>1004</td> <td>770</td> <td>2004</td> <td>385</td> <td>Reissue filing fee</td> </tr> <tr> <td>1005</td> <td>160</td> <td>2005</td> <td>80</td> <td>Provisional filing fee</td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	1001	770	2001	385	Utility filing fee	1002	340	2002	170	Design filing fee	1003	530	2003	265	Plant filing fee	1004	770	2004	385	Reissue filing fee	1005	160	2005	80	Provisional filing fee																																																																																																																																																								
Large Entity		Small Entity		Fee Paid																																																																																																																																																																																							
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
1001	770	2001	385	Utility filing fee																																																																																																																																																																																							
1002	340	2002	170	Design filing fee																																																																																																																																																																																							
1003	530	2003	265	Plant filing fee																																																																																																																																																																																							
1004	770	2004	385	Reissue filing fee																																																																																																																																																																																							
1005	160	2005	80	Provisional filing fee																																																																																																																																																																																							
SUBTOTAL (1) (\$)		770.00																																																																																																																																																																																									
2. EXTRA CLAIM FEES																																																																																																																																																																																											
<table border="1"> <thead> <tr> <th colspan="2">Large Entity</th> <th colspan="2">Small Entity</th> <th rowspan="2">Fee Paid</th> </tr> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>61</td> <td>20*</td> <td>41</td> <td>X 18.00 = \$738.00</td> </tr> <tr> <td>Independent Claims</td> <td>7</td> <td>3*</td> <td>4</td> <td>X 86.00 = \$344.00</td> </tr> <tr> <td>Multiple Dependent</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Large Entity		Small Entity		Fee Paid	Fee Code	Fee (\$)	Fee Code	Fee (\$)	Total Claims	61	20*	41	X 18.00 = \$738.00	Independent Claims	7	3*	4	X 86.00 = \$344.00	Multiple Dependent																																																																																																																																																																						
Large Entity		Small Entity		Fee Paid																																																																																																																																																																																							
Fee Code	Fee (\$)	Fee Code	Fee (\$)																																																																																																																																																																																								
Total Claims	61	20*	41	X 18.00 = \$738.00																																																																																																																																																																																							
Independent Claims	7	3*	4	X 86.00 = \$344.00																																																																																																																																																																																							
Multiple Dependent																																																																																																																																																																																											
SUBTOTAL (2) (\$)		1,082.00																																																																																																																																																																																									
*or number previously paid, if greater. For Reissues, see below																																																																																																																																																																																											
Complete if applicable																																																																																																																																																																																											
SUBMITTED BY		Registration No. (Attorney/Agent)																																																																																																																																																																																									
Name (Print/Type) Gregory D. Caldwell		39,926		Telephone	(503) 684-6200																																																																																																																																																																																						
Signature 				Date	11/25/03																																																																																																																																																																																						

Based on PTO/SB/17 (08-03) as modified by Blakely, Sokoloff, Taylor & Zafman (wir) 08/11/2003.
 SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450